

## **Appendix A**

## CV

**Name:** Prof. José Remacle

**Institute:** URBC, University of Namur, 61 Rue de Bruxelles, 5000 Namur, Belgium  
[Jose.remacle@fundp.ac.be](mailto:Jose.remacle@fundp.ac.be). Director of the laboratory

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**Education and profession:**

|      |   |
|------|---|
| 1970 | PhD Department of Science, University of Louvain, Belgium   |
| 1973 | Postdoc, Rockefeller University, NY, USA                    |
| 1974 | Postdoc, UCSD, San Diego, USA                               |
| 1974 | Professor University of Namur, Belgium                      |
| 1999 | Founder of the spin off company "Advanced Array Technology" |
| 2002 | Director R-D Eppendorf Array Technologies (EAT)             |

**Research Interests:** Development of new DNA and protein biochips platform for genomic and for gene expression. Use of protein chips in complementation to the proteomic analysis by 2-D gel and mass spectra analysis. Applications for research as well as for diagnostic applications such as cancer prognostic and bacterial identification. Numerous collaborations with many research laboratories. Development and production of 8 biochips of gene expression analysis and genomic chips for the detection of bacteria.

**Professional Experience:**

Joined the University of Namur in 1974 and starting the laboratory for biochemistry and cell biology.  
Head of the laboratory since 1974.  
Starting the research unit in cell biology (URBC) in 1997. The URBC is now composed of 65 researchers and technicians.  
Member of many national and international committees, EEC expert in biotechnology programs.  
R-D Director of Eppendorf Array Technologies, S.A.

**Publications**

The author's scientific output consists of 351 research papers in peer-reviewed international journals and inventor of more than 50 filed patents.

## Publications 5 last years

1. I. Alexandre, S. Hamels, S. Dufour, J. Collet, N. Zammattéo, F. De Longueville, J.-L. Gala and J. Remacle, Colorimetric Silver Detection of DNA Microarrays, *Anal. Biochem.*, 295, 1-8, 2001 (Impact fact. 0.332).
2. I. Alexandre, Y. Houbion, J. Collet, S. Hamels, J. Demarteau, J.-L. Gala and J. Remacle, Compact Disc with both numeric and genomic information as DNA microarray platform, *Biotechniques*, 33, 435-439, 2002 (Impact fact. 1.946).
3. T. Arnould, R. Thibaut-Vercruyssen, N. Bouaziz, M. Dieu, J. Remacle and C. Michiels, PGF2 $\alpha$ , Prostanoid Released by Endothelial Cells Activated by Hypoxia, Is a Chemoattractant Candidate for Neutrophil Recruitment, *American Journal of Pathology*, 159, 345-357, 2001 (Impact fact. 7.246).
4. T. Arnould, S. Vankoningsloo, P. Renard, A. Houbion, N. Ninane, C. Demazy, J. Remacle and M. Raes, CREB activation induced by mitochondrial dysfunction is a new signaling that impairs cell proliferation, *EMBO J*, 21, 53-63, 2002 (Impact fact. 13.255).
5. N. Berna, T. Arnould, J. Remacle and C. Michiels, Hypoxia-induced increase in intracellular calcium concentration in endothelial cells: role of the Na<sup>+</sup>-glucose cotransporter, *J Cell Biochem*, 84, 115-131, 2002 (Impact fact. 3.471).
6. G. Bestel-Corre, E. Dumas-Gaudot, V. Poinso, M. Dieu, J.-F. Dierick, D. Van Tuinen, J. Remacle, V. Gianinazzi-Pearson and S. Gianinazzi, Proteome analysis and identification of symbiosis-related proteins from *Medicago truncatula*, *Electrophoresis*, 23, 122-137, 2002 (Impact fact. 2.467).
7. B. Bieswal, M. T. Ahn, B. Reusens, P. Holvoet, M. Raes, W. D. Rees and C. Remacle, The importance of catch-up growth after early malnutrition for the programming of obesity, *Obesity Research*, submitted (Impact fact. 3.409).
8. N. Bouaziz, M. Redon, L. Quére, J. Remacle and C. Michiels, Mitochondrial respiratory chain as a new target for anti-ischemic molecules, *Eur. J. Pharm.*, 441, 35-45, 2002 (Impact fact. 1.96).
9. F. Chainiaux, J. P. Magalhaes, F. Eliaers, J. Remacle and O. Toussaint, UVB-induced premature senescence of human diploid skin fibroblasts, *Int J Biochem Cell Biol*, 34, 1331-9, 2002 (Impact fact. 1.124).
10. F. Chainiaux, J. Remacle and O. Toussaint, Exposure of skin human diploid fibroblasts to repeated subcytotoxic doses of UVB induces the overexpression of the TGF- $\beta$ 1 mRNA, *Ann. N.Y. Acad. Sci.*, 973, 44-48, 2002 (Impact fact. 1030).
11. F. De Longueville, F. A. Atienzar, L. Marcq, S. Dufrane, S. Evrard, L. Wouters, F. Leroux, V. Bertholet, B. Gerin, R. Whomsley, T. Arnould, J. Remacle and M. Canning, Use a low-density microarray for studying gene expression patterns induced by hepatotoxins on primary cultures of rat hepatocytes, *Toxicological Sciences*, 75, 378-392, 2003 (Impact fact. 2.734).
12. F. De Longueville, D. Surry, G. Meneses-Lorente, V. Bertholet, V. Talbot, S. Evrard, N. Chandelier, A. Pike, P. Worboys, J. P. Rasson, B. Le Bourdellès and J. Remacle, Gene expression profiling of drug metabolism and toxicology markers using a low-density DNA microarray, *Biochemical Pharmacology*, 64, 137-149, 2002 (Impact fact. 2.612).
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14. J. P. de Magalhaes, F. Chainiaux, J. Remacle and O. Toussaint, Stress-induced premature senescence in BJ and hTERT-BJ1 human foreskin fibroblasts, *FEBS Lett*, 523, 157-62., 2002 (Impact fact. 3.750).

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20. J. F. Dierick, F. Wenders, F. Chainiaux, J. Remacle, F. A. B. and O. Toussaint, Retrovirally mediated overexpression of peroxiredoxin VI increases the survival of WI-38 human diploid fibroblasts exposed to cytotoxic doses of tert-butylhydroperoxide and UVB, *Biogerontology*, 4, 125-131, 2003 (Impact fact. 1.938).
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22. P. Dumont, M. Burton, Chen, C. Fripiat, T. Pascal, J. F. Dierick, J. Remacle and O. Toussaint, Human diploid fibroblasts display a decreased level of c-fos mRNA at 72 hrs after exposure to sublethal H2O2 stress, *Ann. NY Acad. Sci.*, 908, 306-311, 2000 (Impact fact. 1.030).
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